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TITLE: POLARIZING FILM, POLARIZING PLATE AND LIQUID CRYSTAL
DISPLAY DEVICE USING THEM

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a polarizing film and a polarizing plate
with little variation of chromaticity even when an angle of incidence is varied
and a liquid crystal display device using them.

SOLUTION: The polarizing film is an iodine type polarizing film with <20
μm thickness and ≤0.06 birefringence (Δn) at 900 nm wavelength
obtained by stretching a polyvinyl alcohol type film. When two sheets of the
polarizing films are superimposed in crossed Nicols, the polarizing films
exhibit <0.09 chromaticity variation Δxy in the case chromaticity of
transmitted light of incident light from the normal direction and chromaticity
of transmitted light of incident light from a direction forming an angle of
40° to 45° direction with respect to the direction of the axis of
polarization are represented by x0, y0 and x40, y40 respectively.